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Minimum
Maximum
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Je;																Zea mays antimicrobial maiz Zea mays antimicro Mouse protamine 1 Anti-human SC sing Mouse brain CNG-1 Anti-human SC sing Mouse brain CNG-1 AcaNAP23. Ancylos Nematode extracted Human secreted pro Human scyclin D3 ps Human unliganded a Human androgen rec Human androgen rec Human androgen rec Human pCIP protei Mature nematode ex A secreted protein Murine pCIP protei Mature nematode ex A secreted protein Neisseria meningit Human fDF-binding Human cytoskeleton

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W62829
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N-PSDB; V42311.
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29..666
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                                                                          97.68;
95.38;
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                                                   Score 242; DB 19;
Pred. No. 2.7e-19;
2; Mismatches 0;
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Peptide
                                              antimicrobial protein; infestation; control.
                                                                                                          Theobroma cacao antimicrobial protein
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N-PSDB; V42316.
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29..666
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1..28
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97.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Manners JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Marcus JP;
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43 75

Indels

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Gaps

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mammals

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RESULT
R20181
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 50.0
Conservative
The inventors claim a 67 kD and 31 kD fragments, and encoding DNAs. The 47 \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          The sequence is that of an antimicrobial protein which ce be used to control microbial infestations in plants and animals.
                          Claim 4; Fig 2; 59pp; English.
                                                     Recombinant cocoa proteins - are responsible for flavour in cocoa beans and produced in large quantities using yeast and bacterial
                                                                                  WPI; 1992-024418/03
N-PSDB; Q20377.
                                                                                                            Spencer ME,
                                                                                                                                               11-JUN-1990;
                                                                                                                                                                07-JUN-1991;
                                                                                                                                                                                  26-DEC-1991.
                                                                                                                                                                                                     WO9119801-A.
                                                                                                                                                                                                                     Theobroma cacao
                                                                                                                                                                                                                                      Cocoa; flavour; vicilin;
                                                                                                                                                                                                                                                         Sequence encoded
                                                                                                                                                                                                                                                                          16-APR-1992 (first entry)
                                                                                                                                                                                                                                                                                             R20181;
                                                                                                                                                                                                                                                                                                              R20181 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 47-49; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel anti-microbial protein from e.g. Macadamia useful for controlling microbial infestations of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1998-377279/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO9827805-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bower NI, Goulter KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (RETR-) COOP
                                                                                                                                                                                                                                                                                                                                                        78 eeelqrqyqqcqgrcqeqqqgqreqqqcqrkcweqykeqe 117
                                                                                                                                                                                                                                                                                                                                                                   ഗ
                                                                                                                              MARS
                                                                                                                                                                                                                                                                                                                                                                                                                                         525 AA;
                                                                                                           Hodge R,
                                                                                                                              UK LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RES CENT
                                                                                                                                               90GB-0013016
                                                                                                                                                                91WO-GB00914
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96AU-0004275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 97WO-AU00874
                                                                                                                                                                                                                                                        by 67 kD T.
                                                                                                                                                                                                                                                                                                                                                                                                    47.28;
50.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TROPICAL PLANT PATHOLOGY
                                                                                                            Deakin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Green JL,
                                                                                                                                                                                                                                       seed
                                                                                                                                                                                                                                                                                                              566 AA
                                                                                                                                                                                                                                                                                                                                                                                             10; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                           Score 117; DB 19;
Pred. No. 1.2e-05;
.0; Mismatches 10;
                                                                                                                                                                                                                                                        cacao protein cDNA
                                                                                                            EA,
                                                                                                                                                                                                                                      storage protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Manners JM,
                                                                                                            Ashton
 ř.
cacao protein, and and 31 kD proteins
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Marcus JP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              integrifolia plants or man
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W62841
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W62841;

W62841 standard; Protein;

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Best Local Similarity
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Best L
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                                                                                                                  The sequence is that of an antimicrobial \mathfrak i be used to control microbial infestations animals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    derived from the 67 kD precursor. T. cacao protein cDNA was detected in a cDNA library prepared from inmature cocoa beans RNA using a probe based on the AA sequence of a CNBr peptide common to the 47 kD and 31 kD polypeptides. Homology searches revealed close homologies between the 67 kD polypeptide and the vicilins, which are
                                                                                               Sequence
                                                                                                                                                             Claim 1; Page 49-51; 96pp; English.
                                                                                                                                                                                  Novel anti-microbial protein from e.g. Macadamia useful for controlling microbial infestations of
                                                                                                                                                                                                                                                                                                                                                                                            antimicrobial protein; infestation; control
                                                                                                                                                                                                                    WPI; 1998-377279/32
                                                                                                                                                                                                                                        Bower NI,
                                                                                                                                                                                                                                                              (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                                                                                                                                    20-DEC-1996;
                                                                                                                                                                                                                                                                                                        22-DEC-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  W62832 standard;
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81 edpqrryeecqqecrqqee--rqqpqcqqrclkrfeqeqq
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20; Conserv
                                                                                                                                                                                                                                        Goulter KC,
                                                                                                590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        566 AA;
                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                    96AU-0004275.
                                                                                                                                                                                                                                                                                                         97WO-AU00874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Protein;
                                                    44.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          47.2%;
                                                                                                                                                                                                                                        Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10;
                                        Score 109; DB 19;
Pred. No. 0.0001;
8; Mismatches 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 117; DB 13;
Pred. No. 1.3e-05;
lO; Mismatches 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AΑ
                                                                                                                                                                                                                                        Manners JM,
                                                                                                                            protein which
s in plants and
                                           10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10;
 118
                     42
                                                                                                                                                                                                                                        Marcus
                                                            Length
                                                                                                                                                                                  integrifolia -
plants or mamma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 566;
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                                                              590;
                                                                                                                               mammalian
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Best Local Similarity
Novel anti-microbial protein from e.g. Macadamia integrifolia
                                                                                                                                                                 WPI; 1998-377279/32
                                                                                                                                                                                                                                                                                                Bower NI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antimicrobial protein; infestation; control.
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                                                                                                                                                                                                                                                                                                                                                                                                                              (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96AU-0004275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              35.9%; Score 89; DB 59.3%; Pred. No. 0.0 rative 3; Mismatches
                                                                                                                                                                                                                                                                                                Green
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      593
                                                                                                                                                                                                                                                                                         JL,
                                                                                                                                                                                                                                                                                         Manners JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Manners JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .00093;
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                                                                                                                                                                                                                                                                                                Marcus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Marcus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0,
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              RESULT 10
P93109
ID P93109
XX
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W62837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
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                                                                             P93109 standard; protein; 919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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Query Match
Best Local Similarity
Matches 12; Conserv
                                                             Query Match 26.8%; Score 66.5; 1
Best Local Similarity 39.4%; Pred. No. 5.3
Matches 13; Conservative 7; Mismatches
                                                                                                                                                                     The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and maintails.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The sequence is that of an antimicrobial protein which be used to control microbial infestations in plants and animals.
                                                                                                                                                                                                                                   Claim 1; Page 60-62; 96pp; English.
                                                                                                                                                                                                                                                               Novel anti-microbial protein from e.g. Macadamia useful for controlling microbial infestations of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               W62837 standard; Protein; 637
                                                                                                                                                                                                                                                                                                               WPI; 1998-377279/32
                                                                                                                                                                                                                                                                                                                                             Bower NI,
                                                                                                                                                                                                                                                                                                                                                                                                         20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W09827805-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antimicrobial protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hordeum vulgare antimicrobial protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-OCT-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 58-60;
                                                                                                                                                                                                                                                                                                                                                                           (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                     22-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hordeum vulgare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              useful for controlling microbial infestations of plants or mammals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      557 eeeersgrgecrrqclrrhegqpwetqecmrrcr 590
Goulter KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26.8%; Score 66.5; Imilarity 35.3%; Pred. No. 4.9; Conservative 10; Mismatches
                                                                                                                                          637 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              593 AA;
                                                                                                                                                                                                                                                                                                                                                                                                         96AU-0004275
                                                                                                                                                                                                                                                                                                                                                                                                                                     97WO-AU00874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          infestation; control.
                                                                                                                                                                                                                                                                                                                                           Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A
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                                                                                           19;
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                                                               8
                                                                                                                                                                                                                                                                                                                                             Marcus
                                                                                                                                                                                                                                                               integrifolia -
plants or mammals
                                                                                          Length 637;
                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and mammalian
                                                                                                                                                                                                                                                                                                                                             JP;
                                                                                                                                                                                     mammalian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                593;
                                                             <u>ن</u>
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                                                             Gaps
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P93109

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Best Local
                                                                                                                                                                                                                                                                             Matches
                                                                                                       antisense; benign
                                                                                                                                                                                          W14783 standard; Protein; 919
                                                                                                                                                                                                                                                                                                                                                  Androgen receptor protein (AR) is used to produce mono- or poly-clonal antibodies. These are used for the detection and quantification of AR in the presence of endogenous androgen, as androgen will not interfere with binding. They may be used in assays to determine and quantify cellular distribution of AR in tumour tissue, and are esp. useful for evaluating prostate cancers to determine responsiveness to androgen withdrawal
                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA encoding androgen receptor protein - useful for transforming eukaryotic hosts for protein expression and subsequent antibody prodn.
             20-SEP-1995;
                                                                                      Homo sapiens
                                                                                                                 Androgen
                                                                                                                                                    22-JUN-1997 (first entry)
                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Fig. 4; 41pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-APR-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           W08909791-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human androgen receptor; ployclonal antibody;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human androgen receptor.
                               20-SEP-1996;
                                                 27-MAR-1997
                                                                                                                                                                                                                                                                                                                                            therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-APR-1988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-OCT-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-MAR-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYNC-) UNIVERSITY OF NORTH CAROLINA.
                                                                                                                                                                                                             11
                                                                                                                                                                                                                                      61 qqqqqqqqqqqqqqqqqqq 89
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DB; N91772.
                                                                                                                                                                                                                                                         QEDPQTECQQCQRRCRQQESGPRQQQYCQ 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FS,
                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                 receptor;
                                                                                                                                                                                                                                                                                                                           919 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wilson EM,
                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
             95US-0004018
                               96WO-US15081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88US-0182646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      89WO-US01548
                                                                                                    racidic fibroblast growth factor; aFGF;
prostatic hyperplasia; prostate cancer; therapy.
                                                                                                                                                                                                                                                                                     26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Joseph DR, Lubahn DB;
                                                                                                                                                                                                                                                                             6,
                                                                                                                                                                                                                                                                                     Score 65; DB
Pred. No. 11;
                                                                                                                                                                                          A
                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                              10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cancer
                                                                                                                                                                                                                                                                             9,
                                                                                                                                                                                                                                                                                            Length 919
                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                            0;
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This sequence represents the human androgen receptor (AR) amino aci sequence. The invention relates to a fragment of the AR correspondiation acids 234-391 (see Y78913). The fragment mediates
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RESULT
Y78914
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local
                                  Novel non-androgen ligand binding peptides for inhibiting androgen-independent activation of androgen receptor, used screening compounds and for treatment of androgen-mediated such as prostate cancer .
                                                                                                                                                                                                                                                                                                                                                                             Androgen receptor; AR; androgen-independent activation; inhibitor; cancer; benign prostatic hyperplasia; hirusutism; androgenic alopecia; acne; breast cancer; Kennedy disease; prostate cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human androgen receptor (W14783) binds testosterone and, ac
at the transcriptional level, regulates the growth of norma
prostatic cells. Antisense oligonucleotides (see also T632
Disclosure; Page 7; 32pp; English.
                                                                                                                  WPI; 2000-182113/16.
                                                                                                                                                                                  (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                   30-JUN-1999;
                                                                                                                                                                                                                                                                                                                    WO200001813-A2
                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-MAY-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Y78914 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T63404-05) based on an androgen receptor cDNA clone (see also T63407) can be used to prevent androgen receptor gene expression, thereby inhibiting the growth or survival of prostatic cells for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 22-28; 51pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Oligonucleotide(s) antisense to human androgen receptor and acidic FGF genes - used to inhibit gene expression, for the treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI;
                                                                                                                                                                                                                    30-JUN-1998;
                                                                                                                                                                                                                                                                                    13-JAN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human androgen receptor (AR) amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the treatment of benign prostatic hyperplasia and prostate cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   benign prostatic hyperplasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (WORC-) WORCESTER FOUND BLOMEDICAL RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 QEDPQTECQQCQRRCRQQESGPRQQQYCQ
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DB; T63407.
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                                                                                                                                                 Bruchovsky
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AA;
                                                                                                                                                                                                                    98US-0091871
                                                                                                                                                                                                                                                   99WO-CA00604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein;
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                                                                                                                                                   Gout PW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 65;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30
                                                                                                                                                   Snoek
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11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18;
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                                                                                                                                                 Mawji NR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
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RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            androgen-independent activation of the AR. The androgen receptor acts a transcription factor, regulating the expression of certain androgen-responsive genes. Interaction of the AR with the protein kina A signal transduction pathway involves interaction with the androgen independent region. The AR fragment and peptides derived from it can k
                                                          The peptide (SEQ ID NO 1) was purified from public corn variety B73 and propriety corn variety MH18. It is basic and has has a total mol. wt. of 3900 daltons. The peptide sequence was used to design probes which were used to screen a maize genomic or cDNA library. The isolated CMIII gene can be used to prepare an expression vector for prodn. of recombinant CMIII for use in controlling plant patho-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 peptides, when used in combination with androgen deprivation, effectivel limit androgen mediated disease progression. These diseases include cancer, benign prostatic hyperplassia, hirusutism, androgenic alopecia, acne, breast cancer, Kennedy disease, and especially prostate cancer. The peptides and nucleic acids encoding them, are especially used for the treatment of androgen mediated diseases, especially prostate tumours in patients of androgen mediated diseases, especially prostate tumours in
                                                                                                                                                                                                        Use of maize seed peptide CMIII and DNA encoding it - for killing or inhibiting plant pathogenic microorganisms.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               independent region. The AR tragment and peptides derived from it can used as agents for inhibiting androgen independent activation of the androgen receptor, as activation domains, and as a tool for screening
Sequence
                                                                                                                                                                                                                                                            WPI; 1992-010214/02
                                                                                                                                                                                                                                                                                                                                                         05-JUN-1990;
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                                              genic
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                                                                                                                                                                                                                                                                                           Duvick JP,
                                                                                                                                                                                                                                                                                                                         (PION-) PIONEER HI-BRED INT.
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lso Q20272 and
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                   Nucleic acid-binding motif; HBC; protamine 1; mouse; diagnosis; HCV core polypeptide; immunoassay; detection; antigen; disease; Hepatitis C virus; infection.
                                                           Mouse protamine
                                                                                30-APR-1998
                                                                                                                      W33694 standard; peptide; 51
                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                      The sequence is that of an antimicrobial protein which can
                                                                                                                                                                                                                                                                                                                                           Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mamma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W62836;
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                                                                                                                                                                                                                                                     This is a mouse protamine 1. This is used in a method for producing a nucleic acid-bound polypeptide. The method comprises producing a fusion gene containing the polypeptide and a nucleic acid-binding motif, binding a nucleic acid to the polypeptide as asoluble fraction, and purifying the nucleic acid-bound polypeptide from the soluble fraction. When the polypeptide is a recombinant form of an antigen, the nucleic acid-bound polypeptide can be used as an immunoassay reagent for detecting the antigen or an antibody to the antigen, especially in an agglutination assay using particles coated with the nucleic acid-bound polypeptide. The methods can be applied to diagnosis of disease and infection, especially for the detection of HBV and HCV polypeptides. The nucleic acid-bound polypeptides may be immunoreactive in cases where the free polypeptide is not.
                                                                                                                                                                                                                          Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid-bound polypeptide - useful as immunoassay reagent
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